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ATTORNEY DOCKET NO.: EMC02-01(00053)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Stuart D. Downes  
Serial No.: 10/083,195  
For: SYSTEMS AND METHODS FOR DISTRIBUTING SOLDER  
PASTE USING A TOOL HAVING A SOLDER PASTE APERTURE  
WITH A NON-CIRCULAR CROSS-SECTIONAL SHAPE  
Filing Date: February 26, 2002  
Examiner: Johnson, Jonathan, J.  
Art Unit: 1725  
Issue Date: May 18, 2004  
U.S. Patent No.: US 6,736,308 B1

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**Certificate of Mailing Under 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Box DAC, Washington, D.C. 20231 on:

Date: December 8, 2004

By: Farah Z. Frasco  
(Typed or printed name of person mailing  
Document, whose signature appears below)

Signature: Farah Z. Frasco

Commissioner of Patents and Trademarks  
Box DAC  
Washington, D.C. 20231

**A PETITION FOR CERTIFICATE OF CORRECTION OF PATENT**

03/17/2005 AKELLEY 00000007 500901 6736308

01 FC:1811 Sir: 100.00 DA

Applicant respectfully requests a Certificate of Correction for the above identified issued patent. The following errors appear in the issued patent:

12/16/2004 AWONDAF1 00000021 6736308

01 FC:1464 130.00 OP

Front Page, Column 1, Section (73), the Assignee should be added as EMC Corporation, Hopkinton, MA

Claim 2, Column 11, Line 37, "positioning la solder" should read --positioning a solder--.

Claim 2, Column 11, Line 39, "solder taste aperture" should read -- solder paste aperture --.

Claim 4, Column 12, Line 7, "method ox claim" should read --method of claim--.

Claim 6, Column 13, Line 6, "diameter the" should read -- diameter, the --.

Claim 15, Column 14, Line 50, "solder, paste" should read -- solder paste --.

Enclosed, in duplicate, is Form PTO-1050 with at least one copy being suitable for printing.

Applicant hereby petitions to correct the Assignee, under 37 CFR 1.183. A check for the amount of \$130.00 to cover the petition fee set forth in 37 CFR 1.117(h) is enclosed.

The Assignee of record should read EMC Corporation, 176 South Street, Hopkinton, MA 01748 (formerly at 35 Parkwood Avenue, Hopkinton, MA 01748). An Assignment was submitted on June 25, 2005 and was recorded on July 2, 2002 on Reel/Frame 013048/0681.

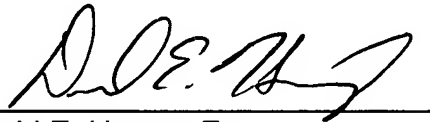
U.S. Serial No.: 10/083,195  
U.S. Patent No.: US 6,736,308 B1

Attorney Docket No.: EMC02-01(00053)

-3-

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

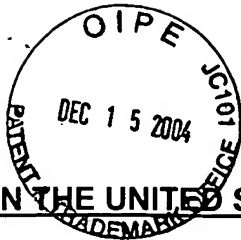
Respectfully submitted,



David E. Huang, Esq.  
Attorney for Applicant  
Registration No. 39,229  
Chapin & Huang, LLC  
Westborough Office Park  
1700 West Park Drive  
Westborough, Massachusetts 01581  
Tel: 508-366-9600  
Fax: 508-616-9805

Attorney Docket No.: EMC02-01(00053)

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Signature: Farah Z. Frasco

Commissioner of Patents and Trademarks  
Box DAC  
Washington, D.C. 20231

**Transmittal Letter**

Sir:

Transmitted herewith for filing is/are the following document(s):

- [x] Transmittal Letter (this document, 2 pages, in duplicate), Total Pages: 4;
- [x] A copy of the USPTO communication mailed November 29, 2004, Total Pages: 2;
- [x] A copy of the Assignment Recordation as recorded on July 2, 2004 on Reel/Frame 013048/0681, Total Pages: 4;
- [x] A Petition for Certificate of Correction of Patent, Total Pages: 3;
- [x] Certificate of Correction of Patent (1 page, in duplicate), Total Pages: 2;
- [x] Return Receipt Postage Pre-paid Postcard (in duplicate), Total Postcards: 2;
- [x] Authorization to charge Deposit Account No. 50-0901, if necessary;
- [x] A check for \$130.00 to cover the petition fee set for in 37 CFR 1.117(h).

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- 2 -

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If the enclosed papers are considered incomplete or fees are required for this submission, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600 in Westborough, Massachusetts.

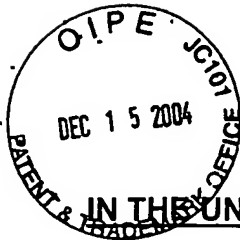
Respectfully submitted,



David E. Huang, Esq.  
Attorney for Applicant(s)  
Registration No. 39,229  
Chapin & Huang, LLC  
Westborough Office Park  
1700 West Park Drive  
Westborough, Massachusetts 01581  
Tel: 508-366-9600  
Fax: 508-616-9805

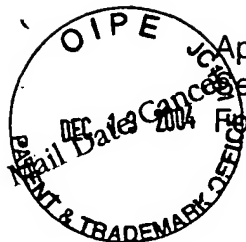
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Respectfully submitted,



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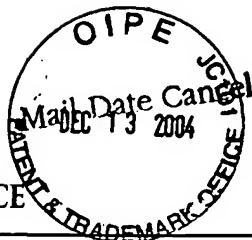
David E. Huang, Esq.  
Attorney for Applicant(s)  
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Chapin & Huang, LLC  
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1700 West Park Drive  
Westborough, Massachusetts 01581  
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Fax: 508-616-9805

Attorney Docket No.: EMC02-01(00053)

Dated: December 8, 2004



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



SEPTEMBER 04, 2002

CHAPIN & HUANG, LLC  
DAVID E. HUANG, ESQ.  
1700 WEST PARK DR.  
WESTBOROUGH OFFICE PARK  
WESTBOROUGH, MA 01581



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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/02/2002

REEL/FRAME: 013048/0681  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DOWNES, STUART D.

DOC DATE: 06/24/2002

ASSIGNEE:

EMC CORPORATION  
35 PARKWOOD AVENUE  
HOPKINTON, MASSACHUSETTS 01748

SERIAL NUMBER: 10083195  
PATENT NUMBER:

FILING DATE: 02/26/2002  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



07-08-2002

ER SHEET

DEC 15 2004



102146452

To the Honorable Commissioner of

attached original documents or copy thereof.

1. Name of conveying party(ies)  
Stuart D. Downes

2. Name and address of receiving party(ies)

Name: EMC Corporation

Internal Address:

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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: 35 Parkwood Avenue

City: Hopkinton State: MA ZIP: 01748

Execution Date: June 24, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/083,195

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David E. Huang, Esq.

Internal Address:

CHAPIN & HUANG, L.L.C.

Street Address: Westborough Office Park

1700 West Park Drive

City: Westborough State: MA ZIP: 01581

6. Total number of applications and patents involved: [ 1 ]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

☒ Enclosed with application filing fee

☒ Authorized to charge any deficiencies or credit any overpayment to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0901

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David E. Huang

Name of Person Signing

Signature

June 25, 2002

Date

Total number of pages including cover sheet, attachments, and document: [3]

07/05/2002 JJALLAH2 00000017 10083195

01 FC:581

40.00 OP

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**ASSIGNMENT**

**WHEREAS**, I, Stuart D. Downes have invented a certain improvement **SYSTEMS AND METHODS FOR DISTRIBUTING SOLDER PASTE USING A TOOL HAVING A SOLDER PASTE APERTURE WITH A NON-CIRCULAR CROSS-SECTIONAL SHAPE** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on February 26, 2002 as Application No. 10/083,195;

☐ was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 35 Parkwood Drive, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with me;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

- 2 -

**AND**, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

**IN TESTIMONY WHEREOF**, I have hereunto set my hand and affixed my seal the date set forth below.

Inventor: Stuart D. Downes  
Stuart D. Downes

State/Commonwealth  
of Massachusetts  
County of Worcester

Then personally appeared before me the above-named Stuart D. Downes and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 24<sup>th</sup> day of June, 2002.

(SEAL)

Crystal Slason Notary Public  
Crystal Slason (print name)  
My Commission expires 12/06/02

**CRYSTAL A. SLASON**  
NOTARY PUBLIC  
MY COMM. EXPIRES DEC. 6, 2002